

FIG . 1

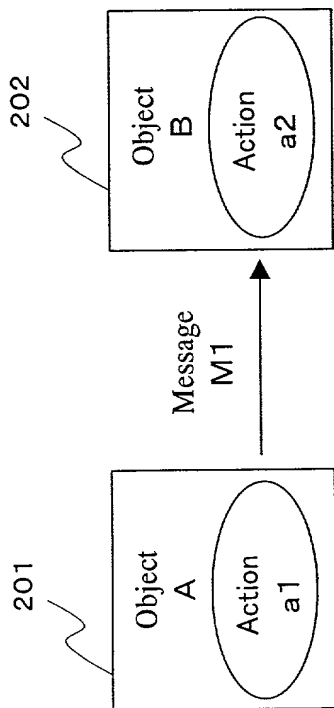


FIG. 2A

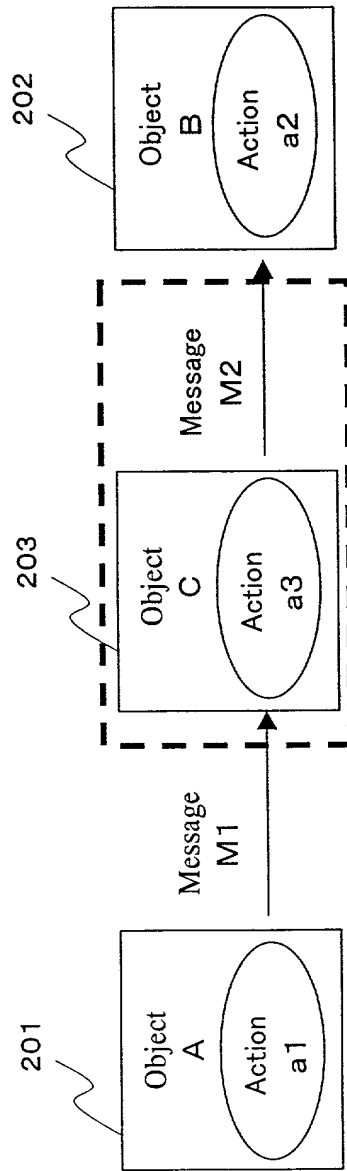


FIG. 2B

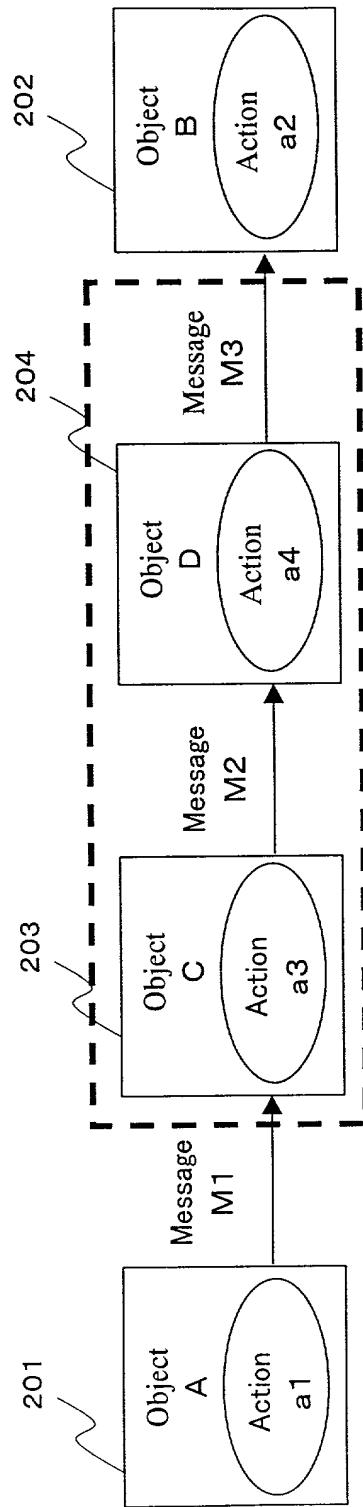


FIG . 3

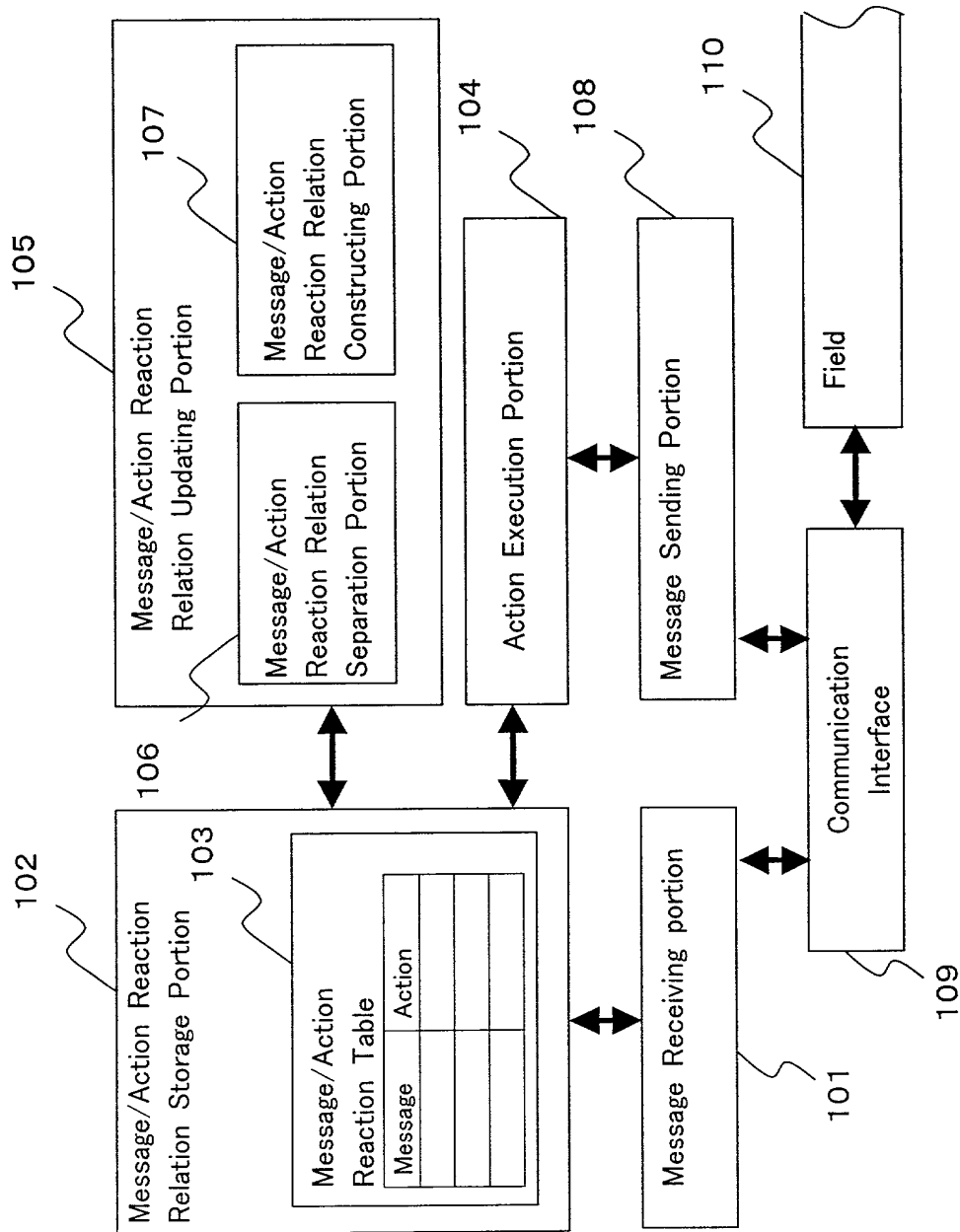


FIG . 4

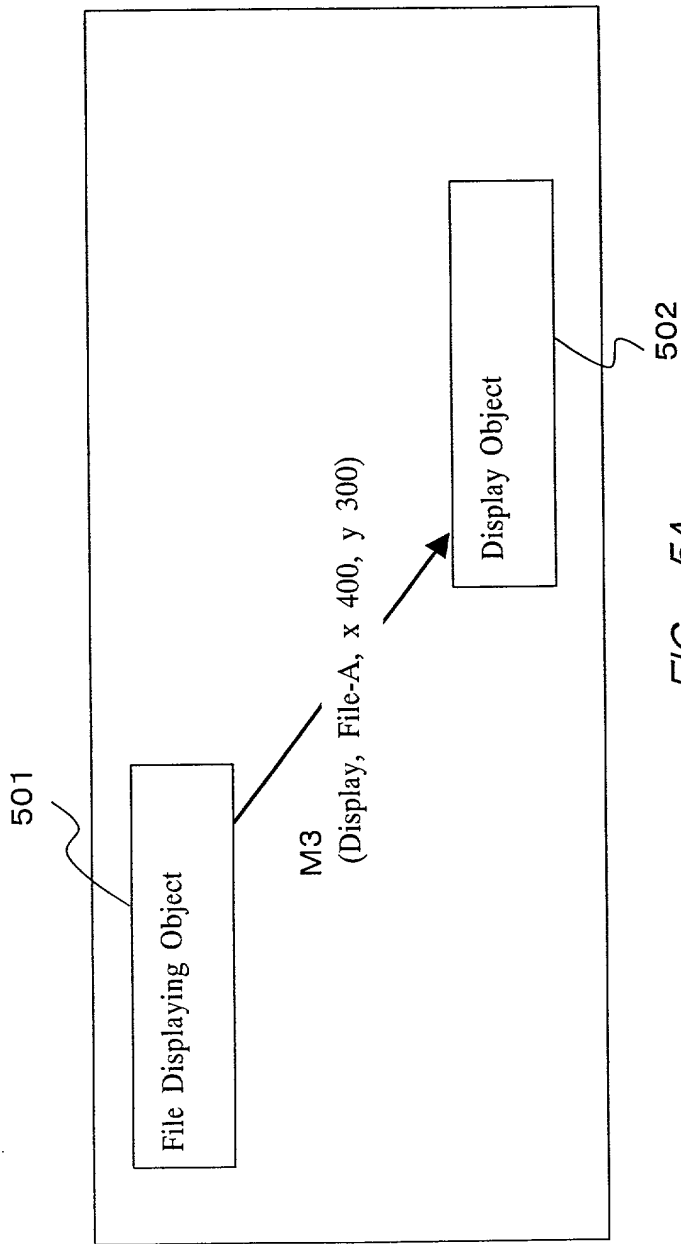


FIG . 5A

Message				Action
Display	*	*	*	Draw

FIG . 5B

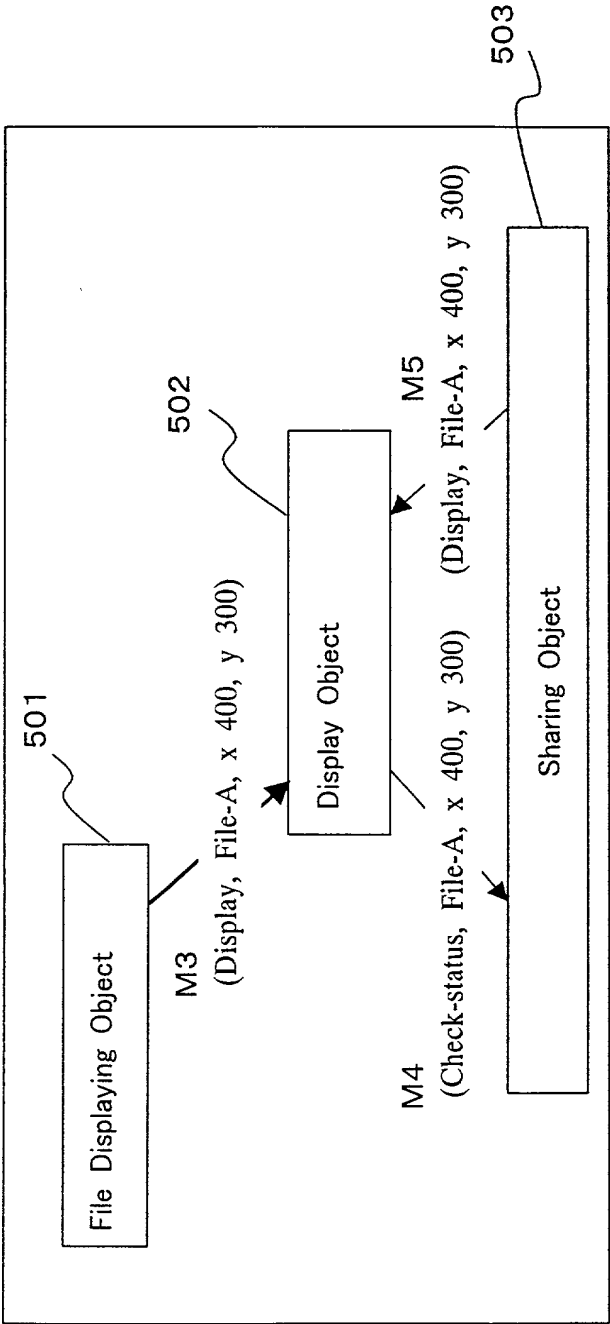


FIG . 6A

Message			Action
Display	*	*	Status
Display-shared	*	*	Draw
Display-unshared	*	*	Draw

FIG . 6B

Message			Action
Check status	*	*	Share

FIG . 6C

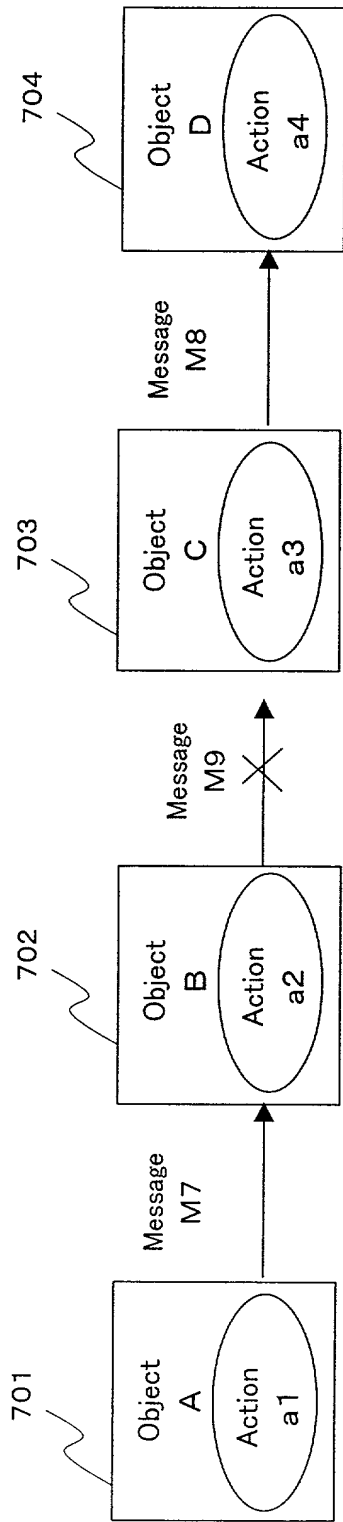


FIG. 7A

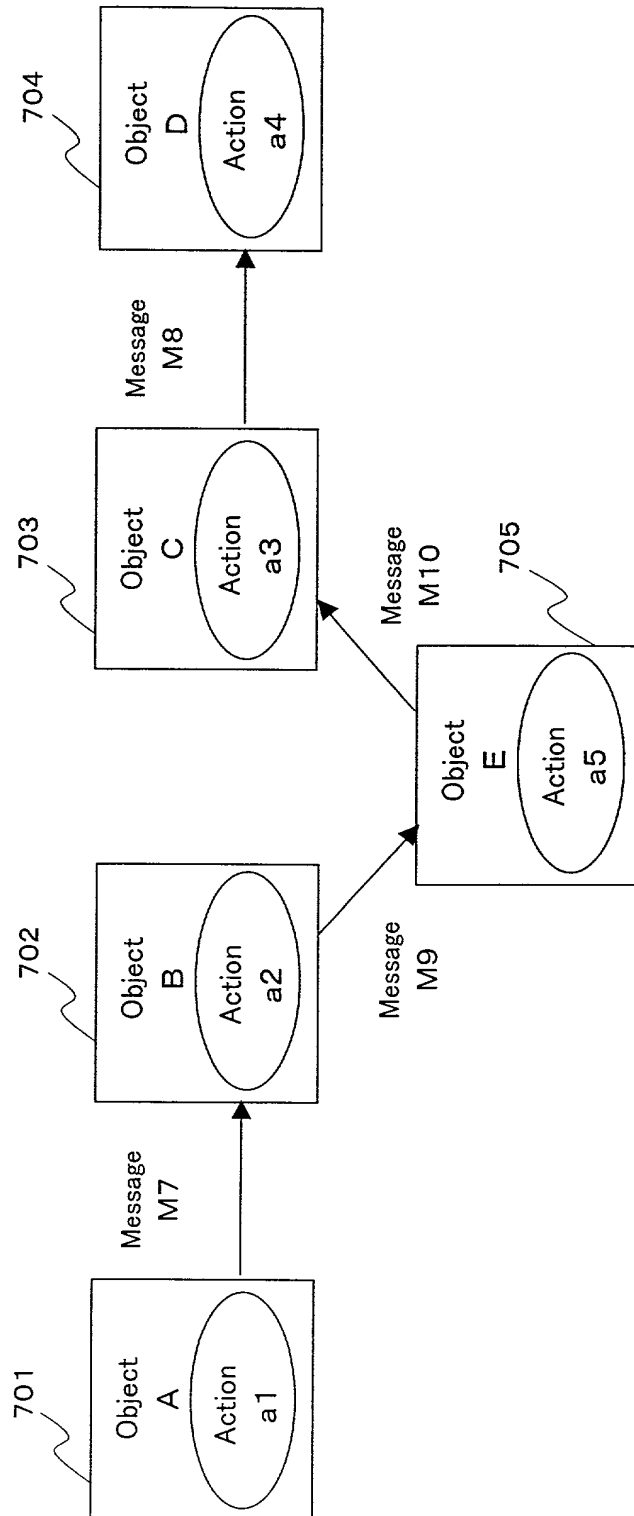
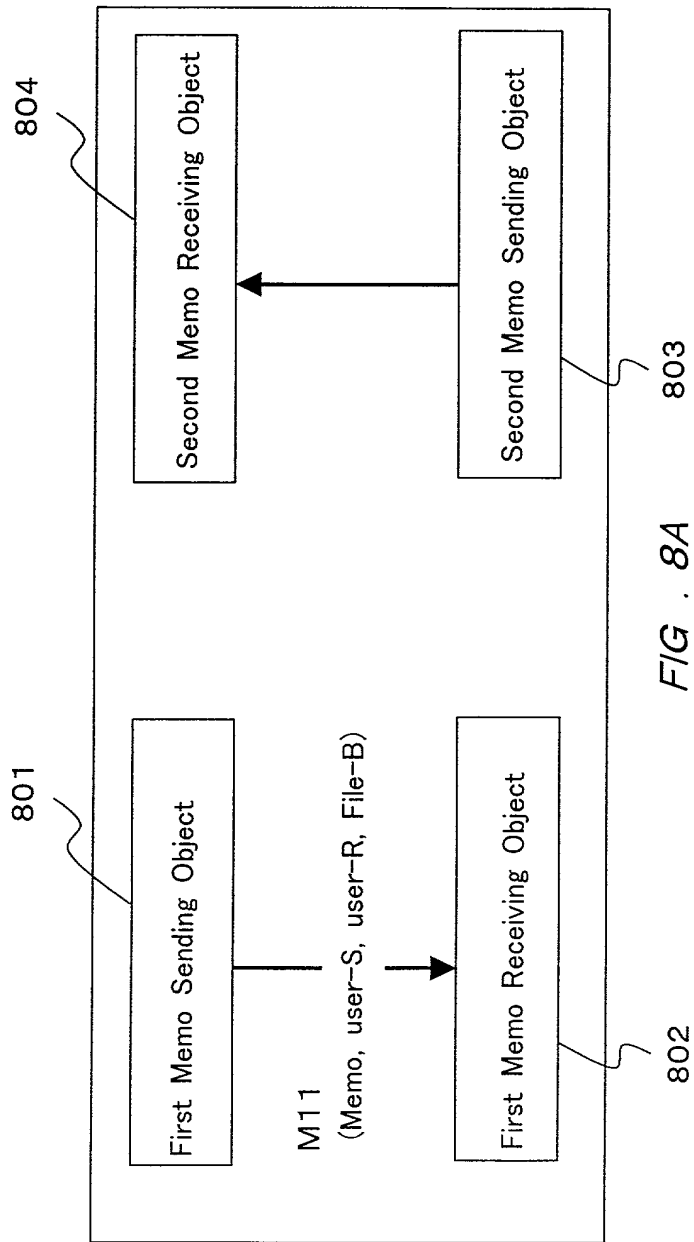


FIG. 7B



Message			Action
Memo	*	*	Show memo

FIG . 8B

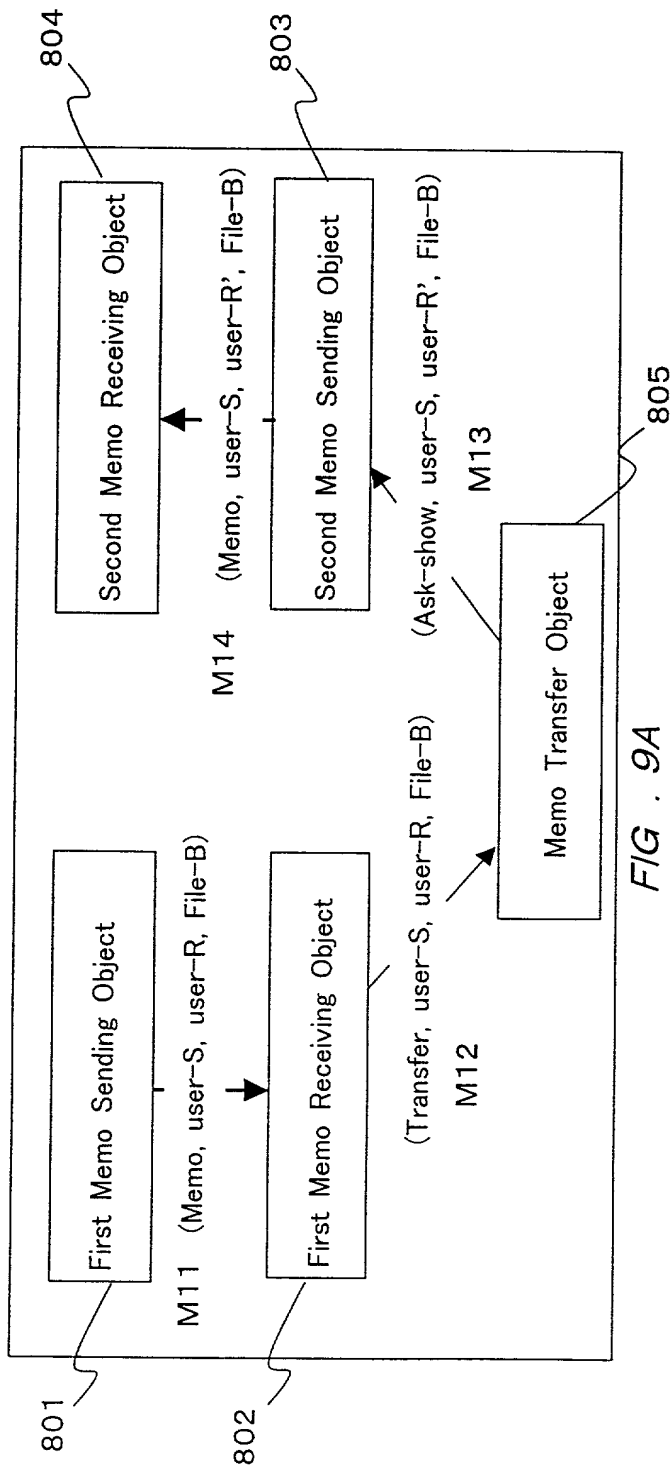


FIG . 9A

Message				Action
Memo	*	*	*	Ask transfer

FIG . 9B

Message				Action
Transfer	*	*	*	Send

FIG . 9C

Message				Action
Ask-show	*	*	*	Request show

FIG . 9D

Message				Action
Memo	*	*	*	Show memo

FIG . 9E

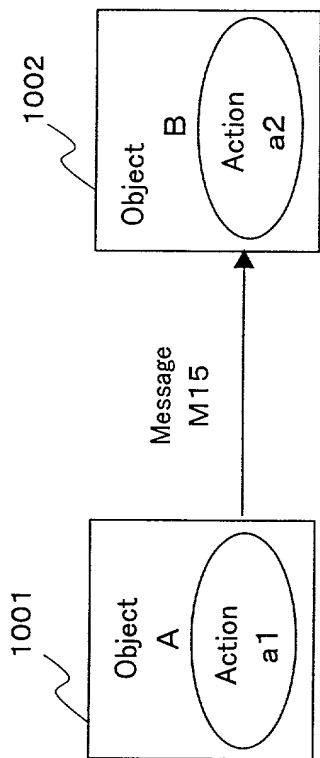


FIG. 10A

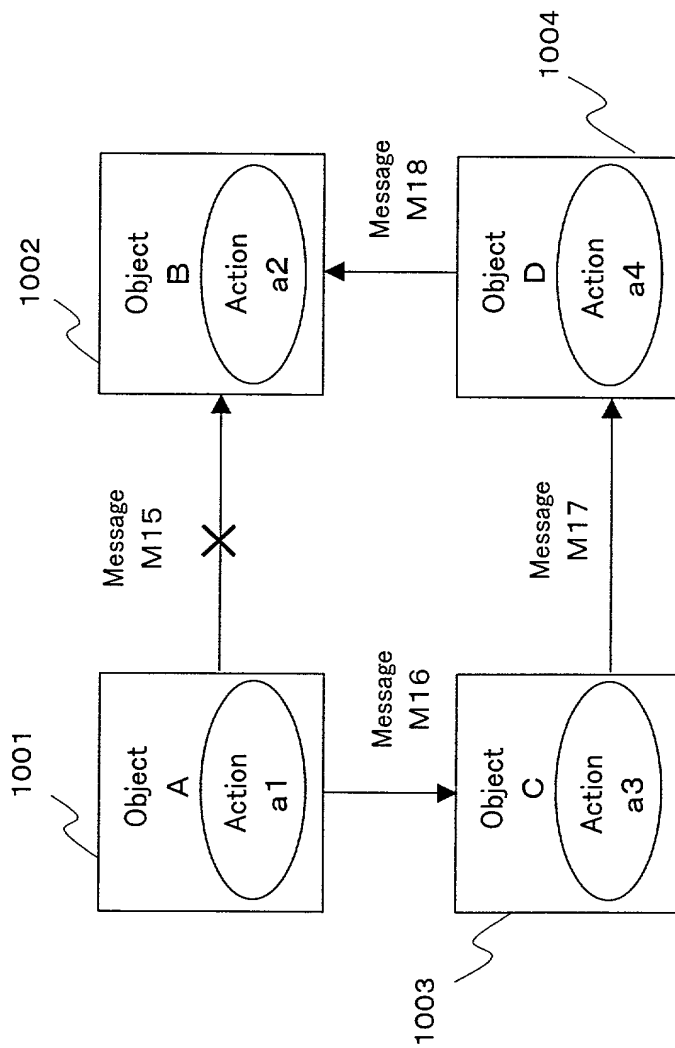
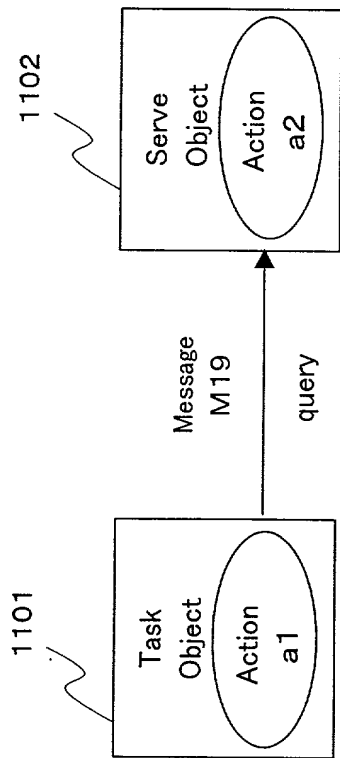
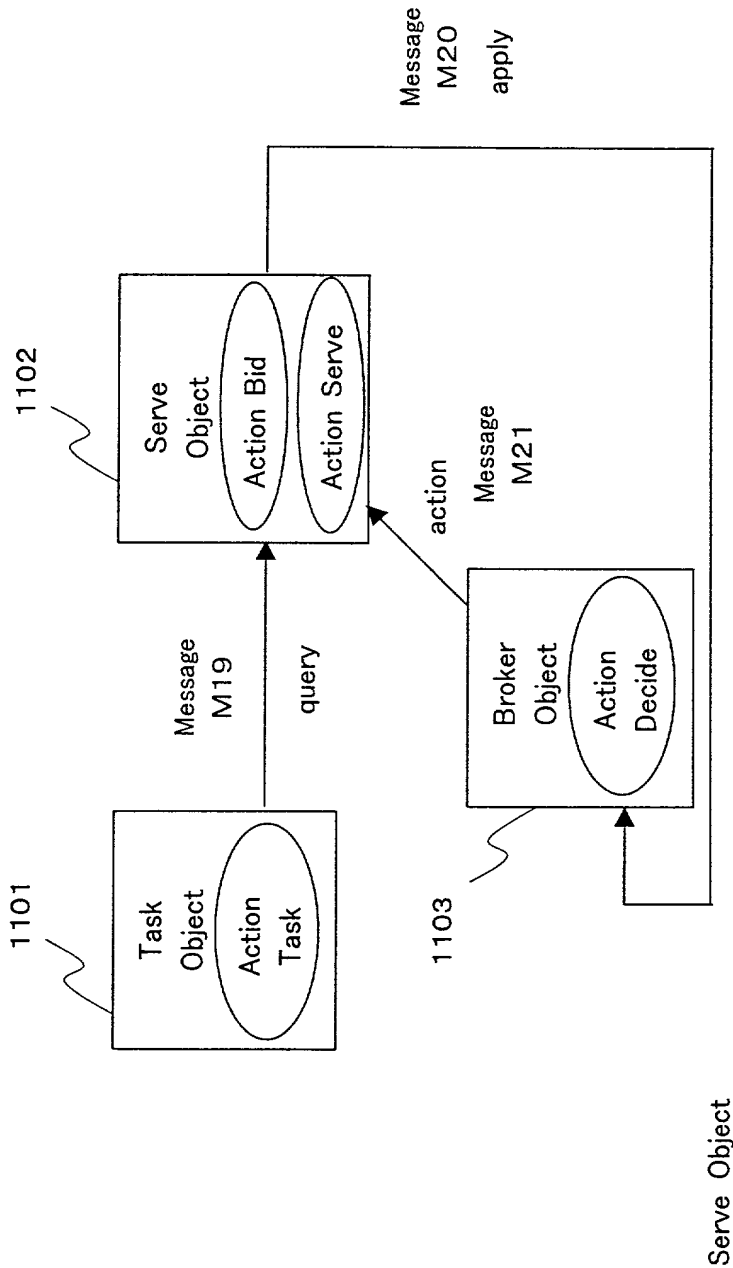


FIG. 10B



Message				Action
query	*	*	*	Serve

FIG . 11



Serve Object

Message			Action
Query	*	*	Bid
Action	*	*	Serve

Broker Object

Message			Action
Apply	*	*	Decide

FIG . 12

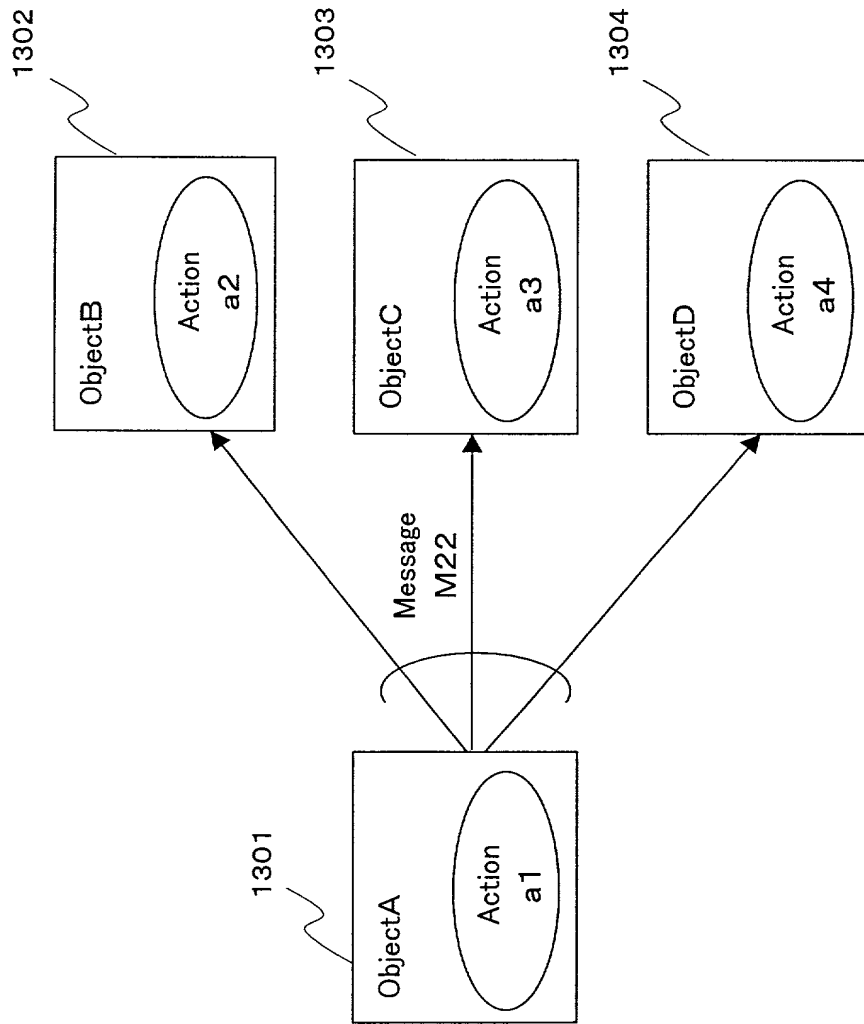


FIG. 13

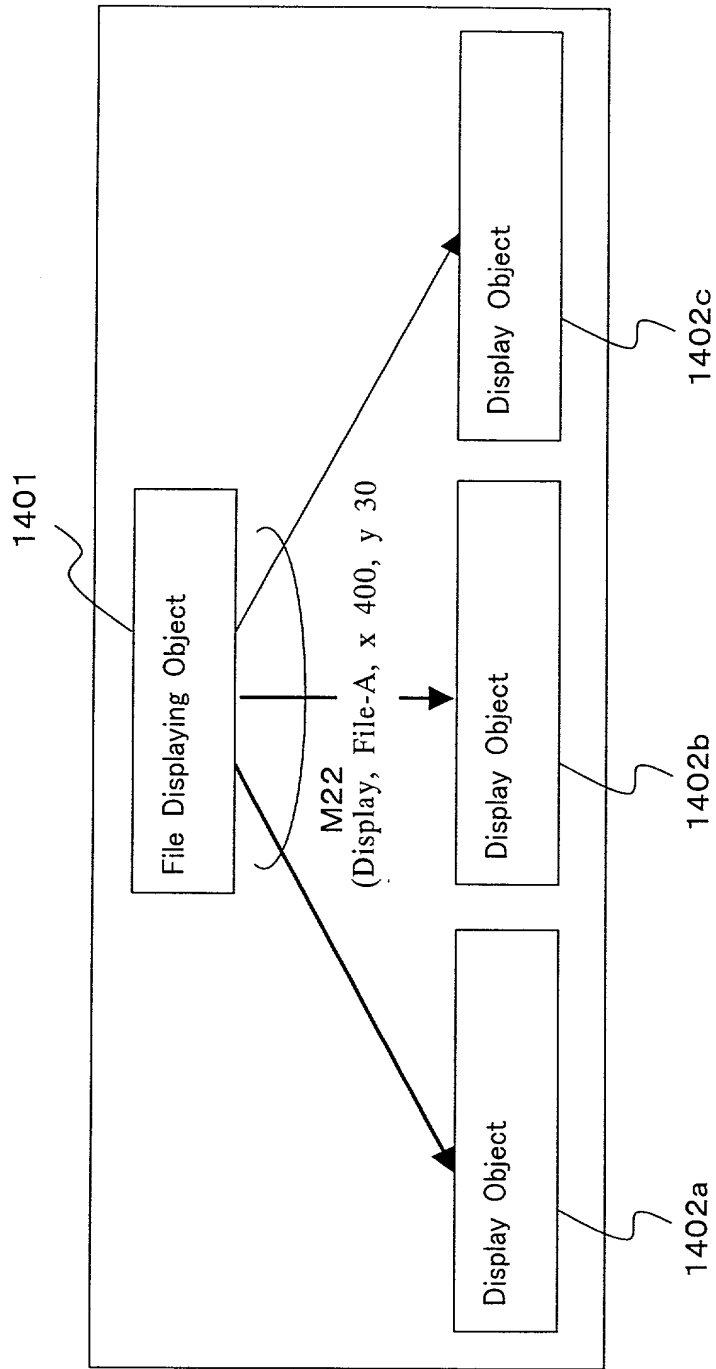


FIG. 14A

Table Kept By 1402a, 1402b and 1402c

Message				Action
Display	*	*	*	Draw

FIG. 14B

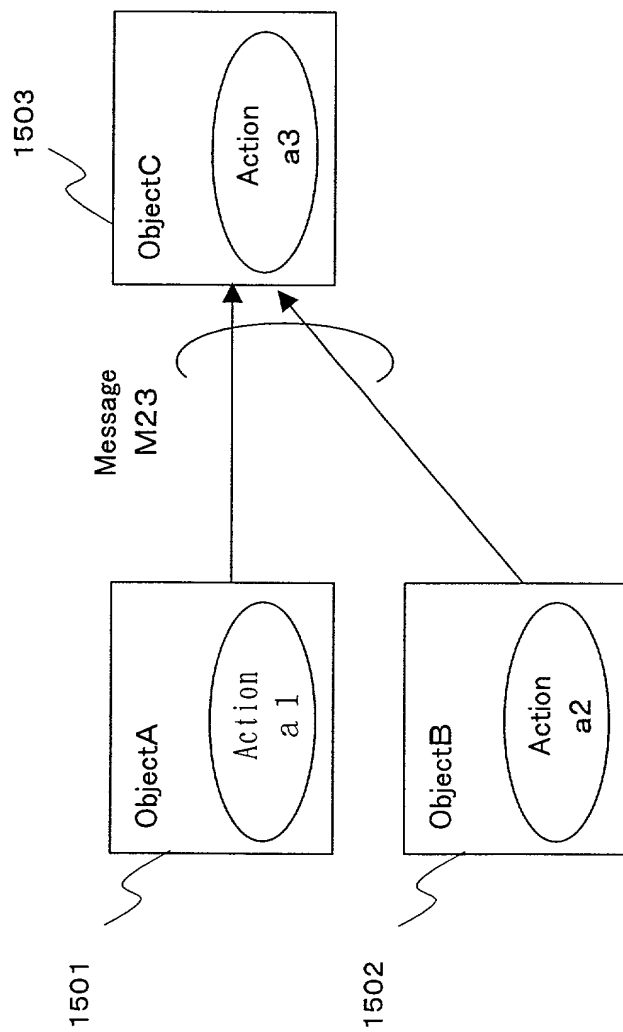
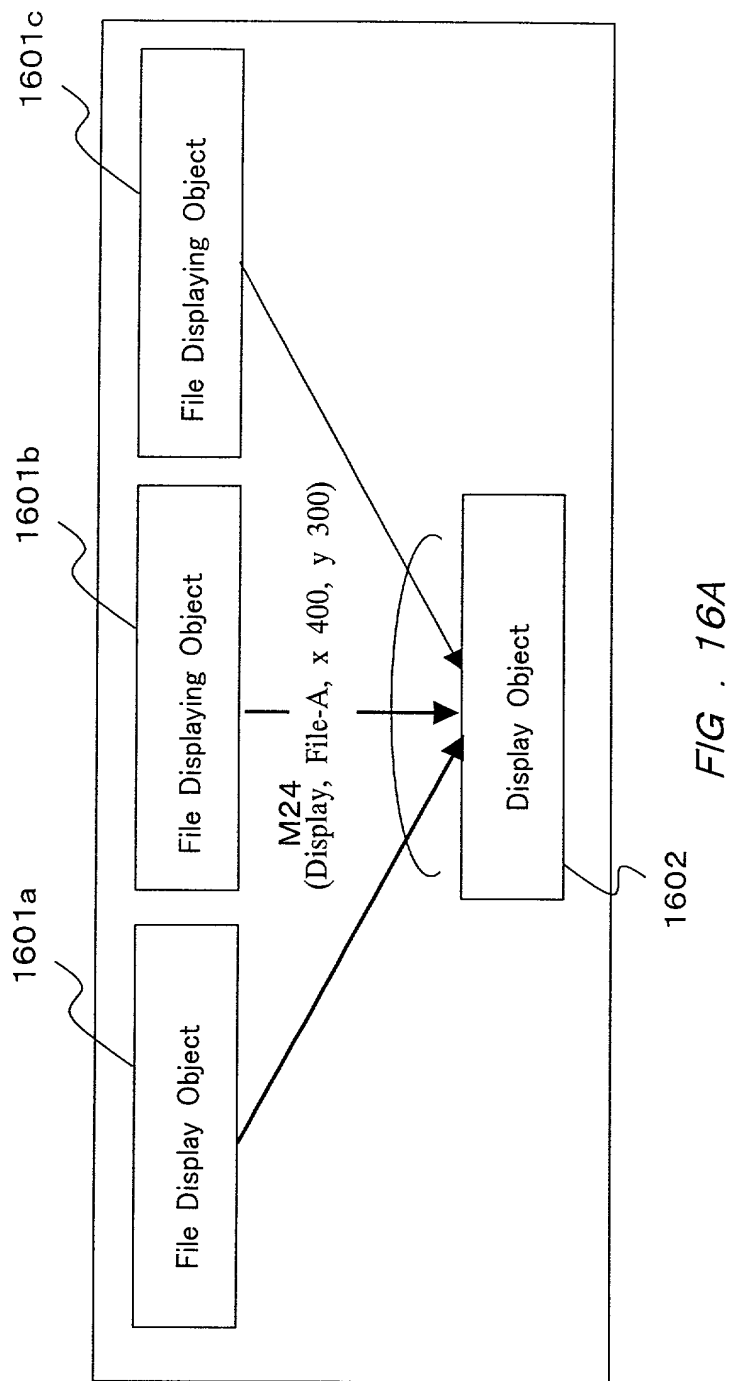


FIG . 15



Task Kept By 1602

Message				Action
Display	*	*	*	Draw

FIG. 16B

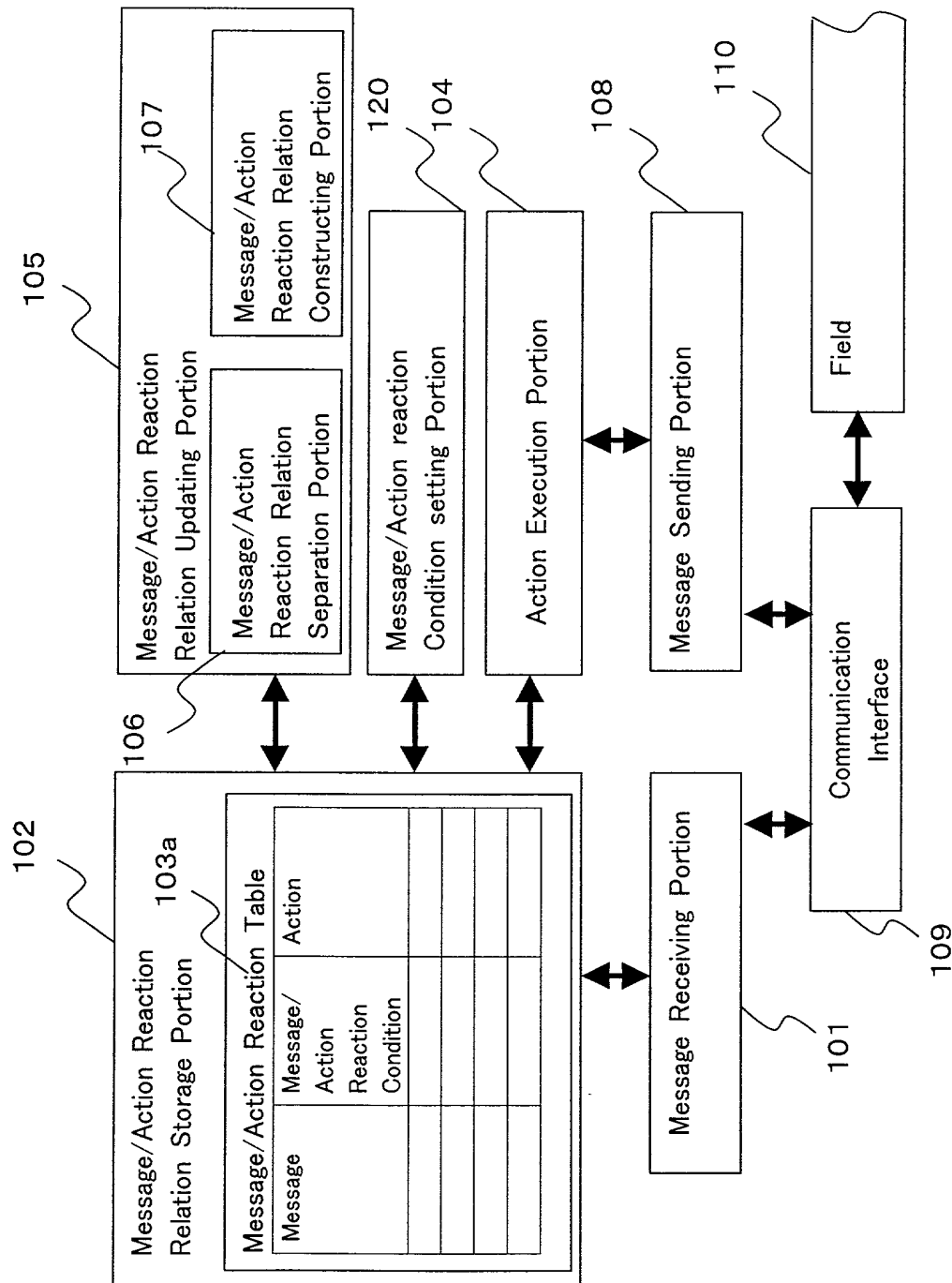


FIG. 17

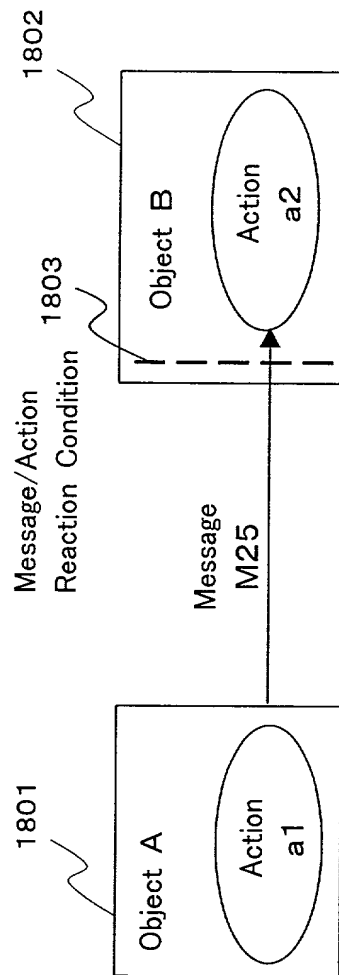


FIG . 18

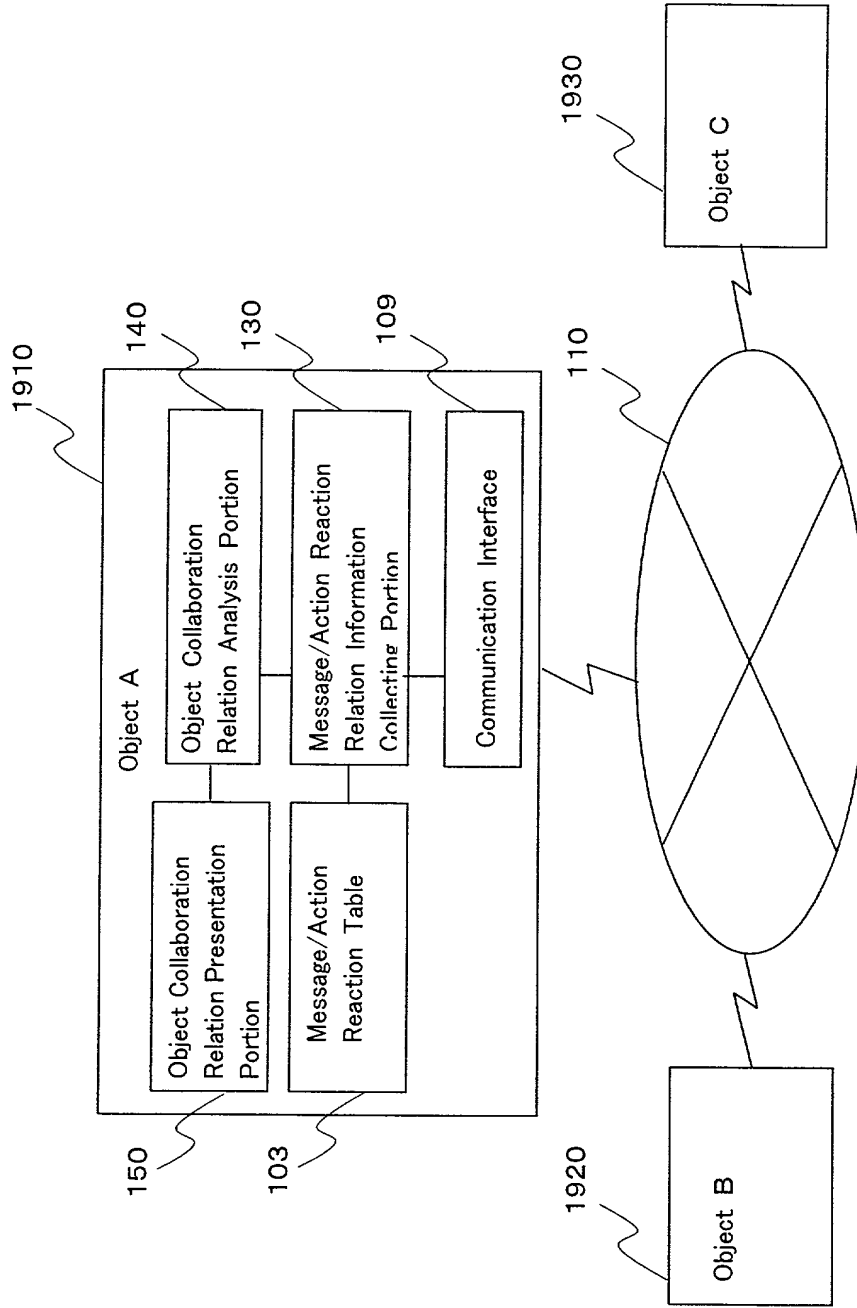


FIG. 19

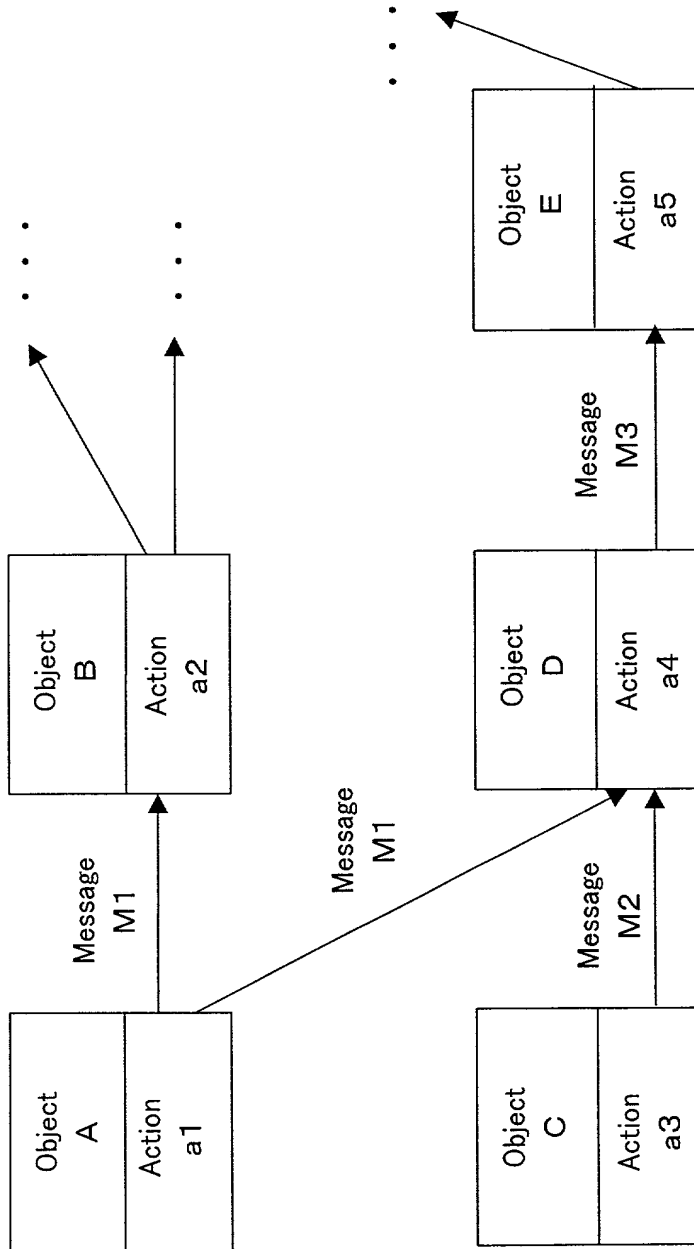


FIG . 20

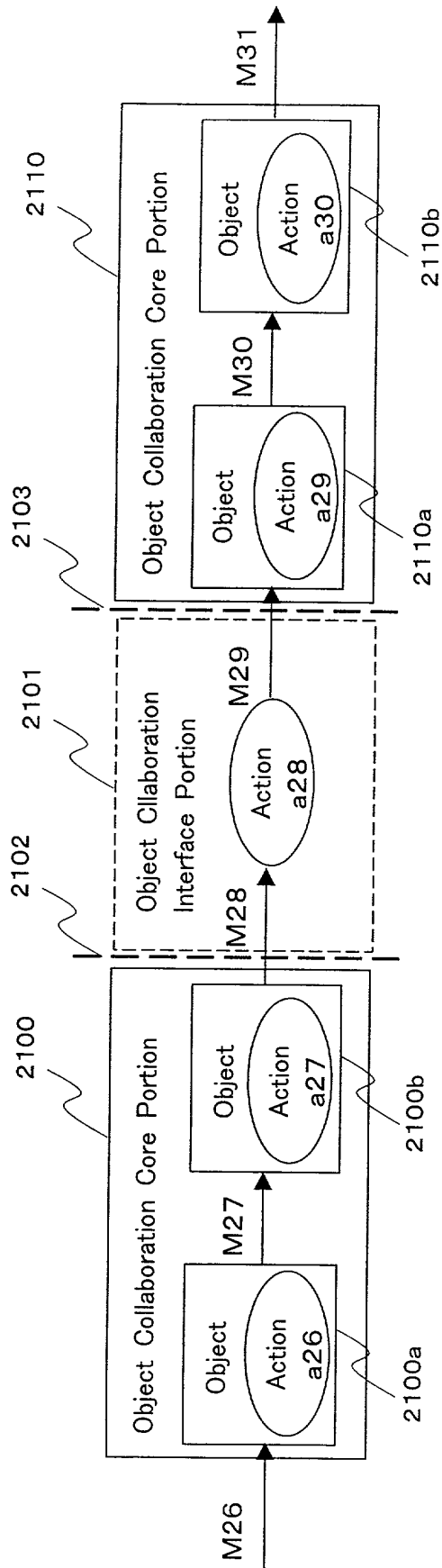


FIG. 21A

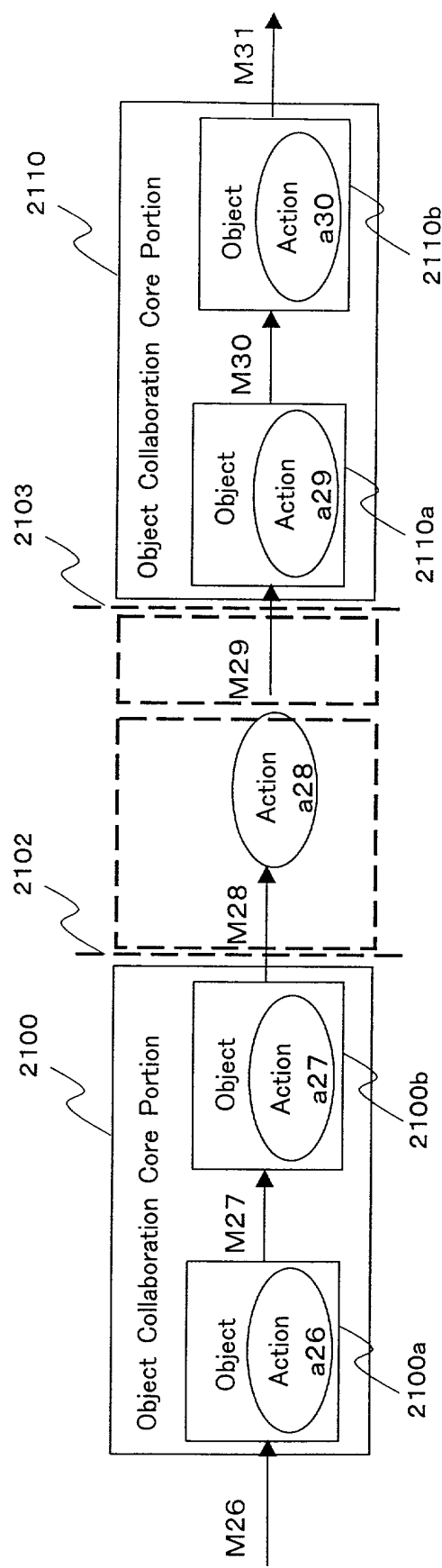


FIG. 21B

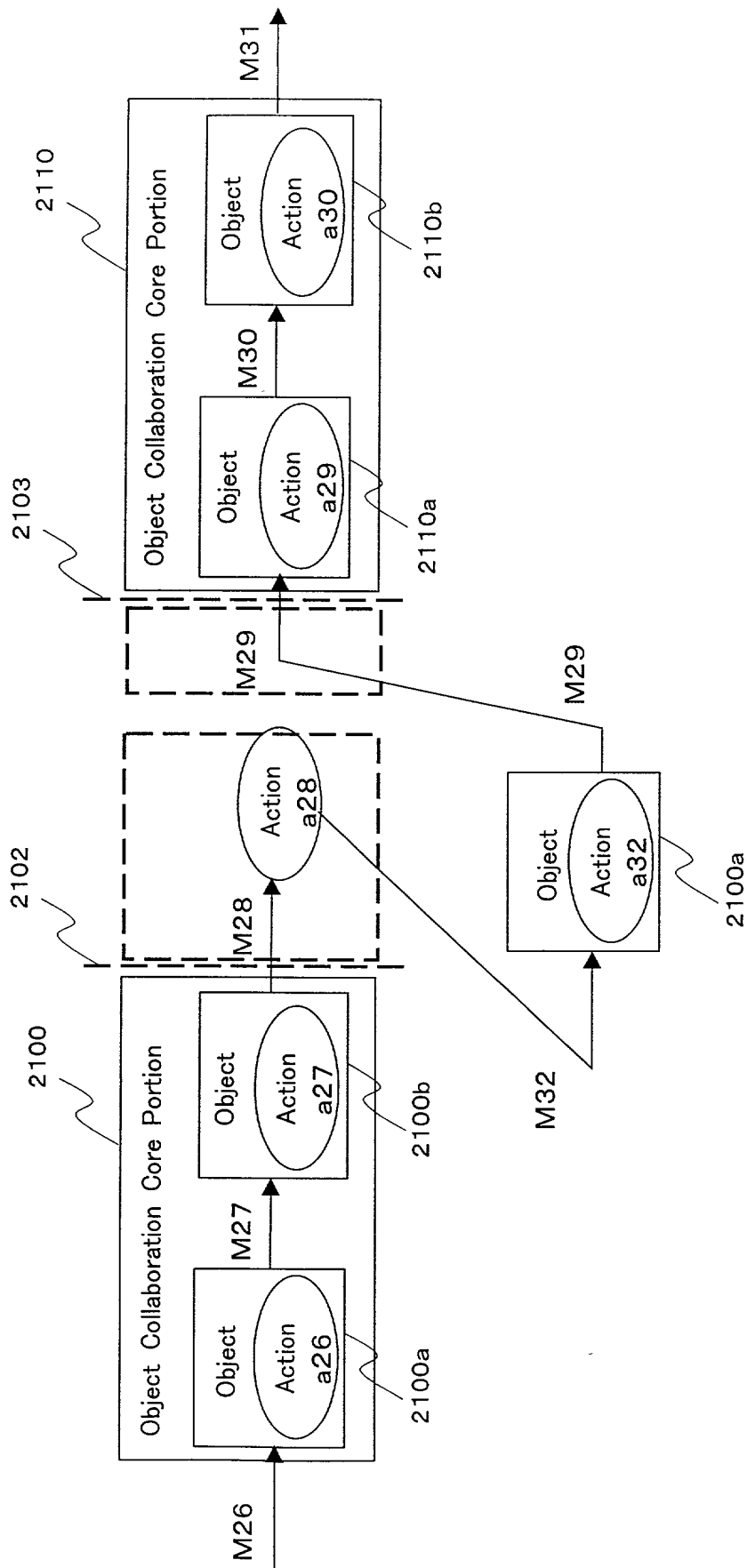


FIG . 22

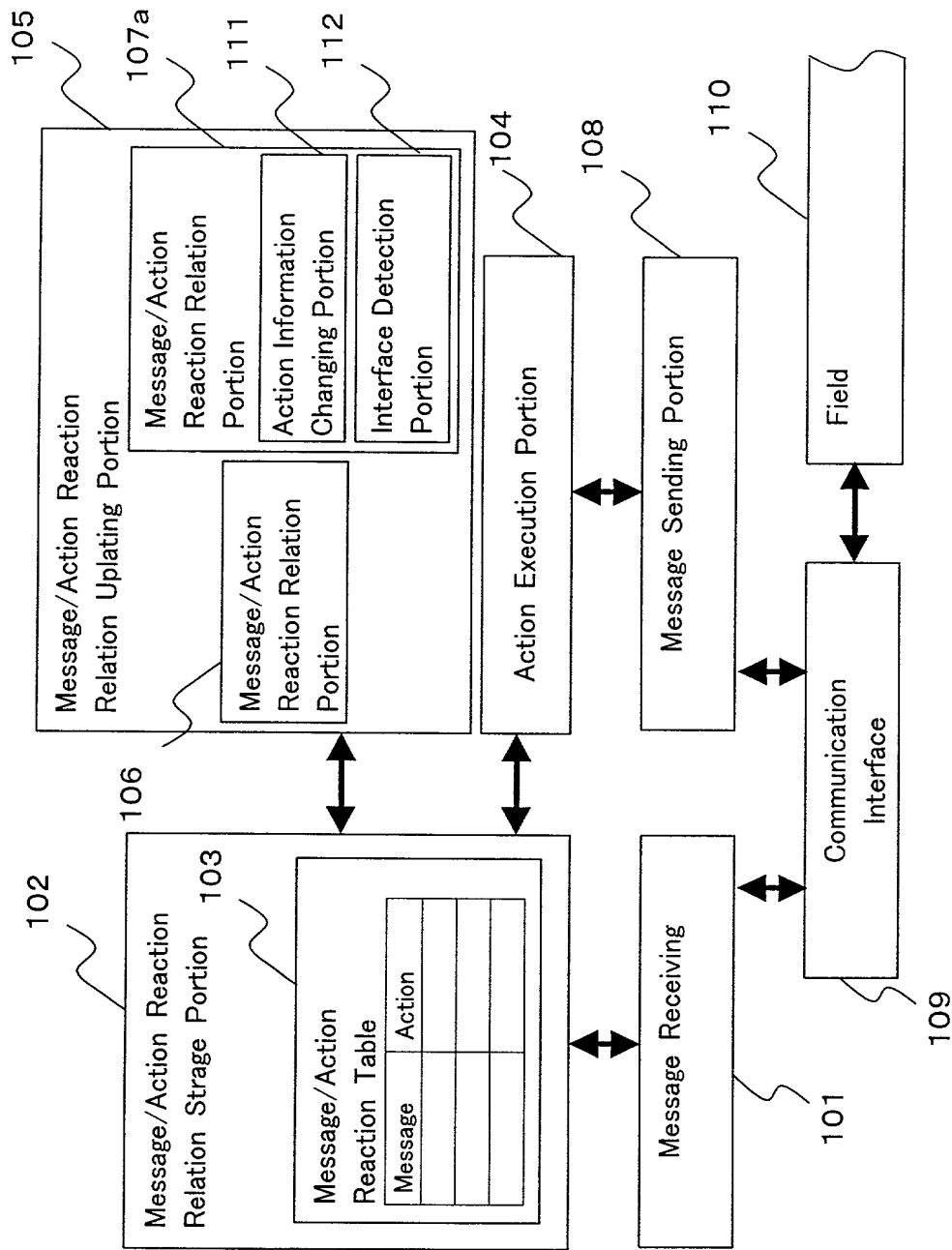


FIG. 23

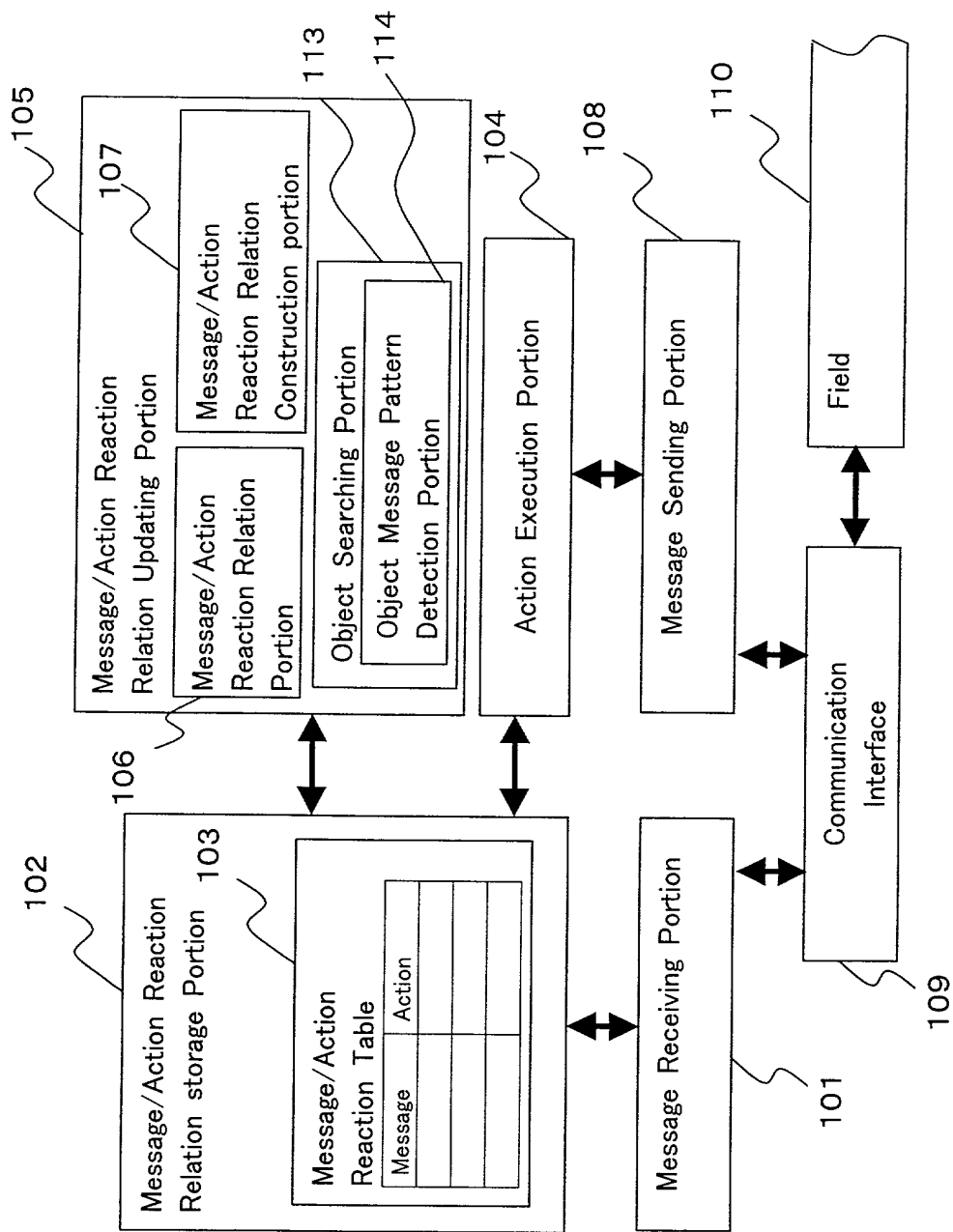
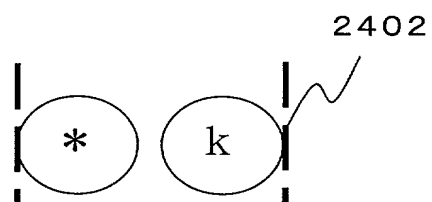


FIG . 24

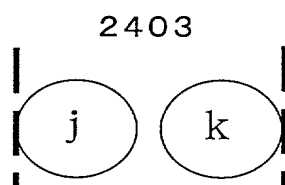
(a)



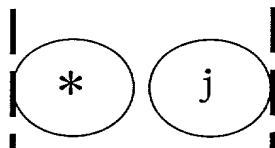
(b)



(c)



(d)



(e)

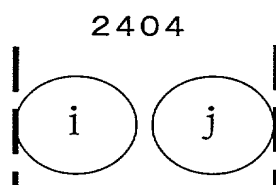


FIG. 25

```
<?xml version="1.0"?>
<!-- DTD Information -->
<!DOCTYPE SPEC [
    <!ELEMENT SPEC (MATRIX)*>
    <!ATTLIST SPEC NAME CDATA #IMPLIED>
    <!ELEMENT MATRIX (ENTRY)*>
    <!ATTLIST MATRIX NAME CDATA #IMPLIED>
    <!ELEMENT ENTRY (ITEM)*>
    <!ATTLIST ENTRY NAME CDATA #IMPLIED>
    <!ELEMENT ITEM (#PCDATA)>
    <!ATTLIST ITEM NAME CDATA #REQUIRED>
]
```

FIG. 26

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "request" </ITEM>
      <ITEM NAME="Sender"> ui serv </ITEM>
      <ITEM NAME="RequestID"> dummy1 </ITEM>
      <ITEM NAME="OriginalMessageType">「i」</ITEM>
      <ITEM NAME="TargetMessageType">「k」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/ui.phx@936244885600</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 27

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-request" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/sels
rv/imagearbiter.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="OriginalMessageType">*</ITEM>
      <ITEM NAME="TargetMessageType">「k」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/ui.phx@936244885600</ITEM>
      <ITEM NAME="PathHistory"></ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 28


```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-request" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsr
v/imagearbiter.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="OriginalMessageType">*</ITEM>
      <ITEM NAME="TargetMessageType">「J」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/ui.phx@936244885600</ITEM>
      <ITEM NAME="PathHistory">http://mach64:8888/
selsrv/「j」2「k」.phx@「k」,</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 30

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "bid" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsr
v/win2「j」.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="OriginalMessageType">*</ITEM>
      <ITEM NAME="TargetMessageType">「J」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/ui.phx@936244885600</ITEM>
      <ITEM NAME="PathHistory">http://mach64:8888/
selsrv/win2「j」.phx@「J」,http://mach64:8888/selsrv/「j」2
「k」.phx@「k」,</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 31

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-serve" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsrv
/imagearbiter.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="Contract">http://mach64:8888/sels
rv/win2「j」.phx</ITEM>
      <ITEM NAME="OriginalMessageType">「i」</ITEM>
      <ITEM NAME="TargetMessageType">「J」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/ui.phx@936244885600</ITEM>
      <ITEM NAME="PathHistory">http://mach64:8888/s
elsrv/win2「j」.phx@「J」,http://mach64:8888/selsrv/「j」2
「k」.phx@「k」,</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 32


```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-inform" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsr
v/win2「j」.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="OriginalMessageType">「i」</ITEM>
      <ITEM NAME="TargetMessageType">「J」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/
selsrv/win2「j」.phx@936244893351</ITEM>
      <ITEM NAME="PathHistory">http://mach64:8888/
selsrv/「j」2「k」.phx@「k」,</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 33

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-serve" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsrv/
imagearbiter.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="Contract">http://mach64:8888/selsr
v/「j」2「k」.phx</ITEM>
      <ITEM NAME="OriginalMessageType">「J」</ITEM>
      <ITEM NAME="TargetMessageType">「k」</ITEM>
      <ITEM NAME="MessageKey">http://mach64:8888/s
elsrv/win2「j」.phx@936244893351</ITEM>
      <ITEM NAME="PathHistory">http://mach64:8888/se
lsrv/「j」2「k」.phx@「k」,</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 34

```

<?xml version="1.0"?>
<!-- Matrix Data -->
<SPEC>
  <MATRIX NAME="FmtTranslate">
    <ENTRY>
      <ITEM NAME="Action"> "in-inform" </ITEM>
      <ITEM NAME="Sender">http://mach64:8888/selsrv
/「j」2「k」.phx</ITEM>
      <ITEM NAME="RequestID">dumy1</ITEM>
      <ITEM NAME="OriginalMessageType">「J」</ITEM>
      <ITEM NAME="TargetMessageType">「k」</ITEM>
      <ITEM NAME="MessageKey"> http://mach64:888
8/selsrv/「j」2「k」.phx@912761245632</ITEM>
      <ITEM NAME="PathHistory"><</ITEM>
    </ENTRY>
  </MATRIX>
</SPEC>

```

FIG . 35

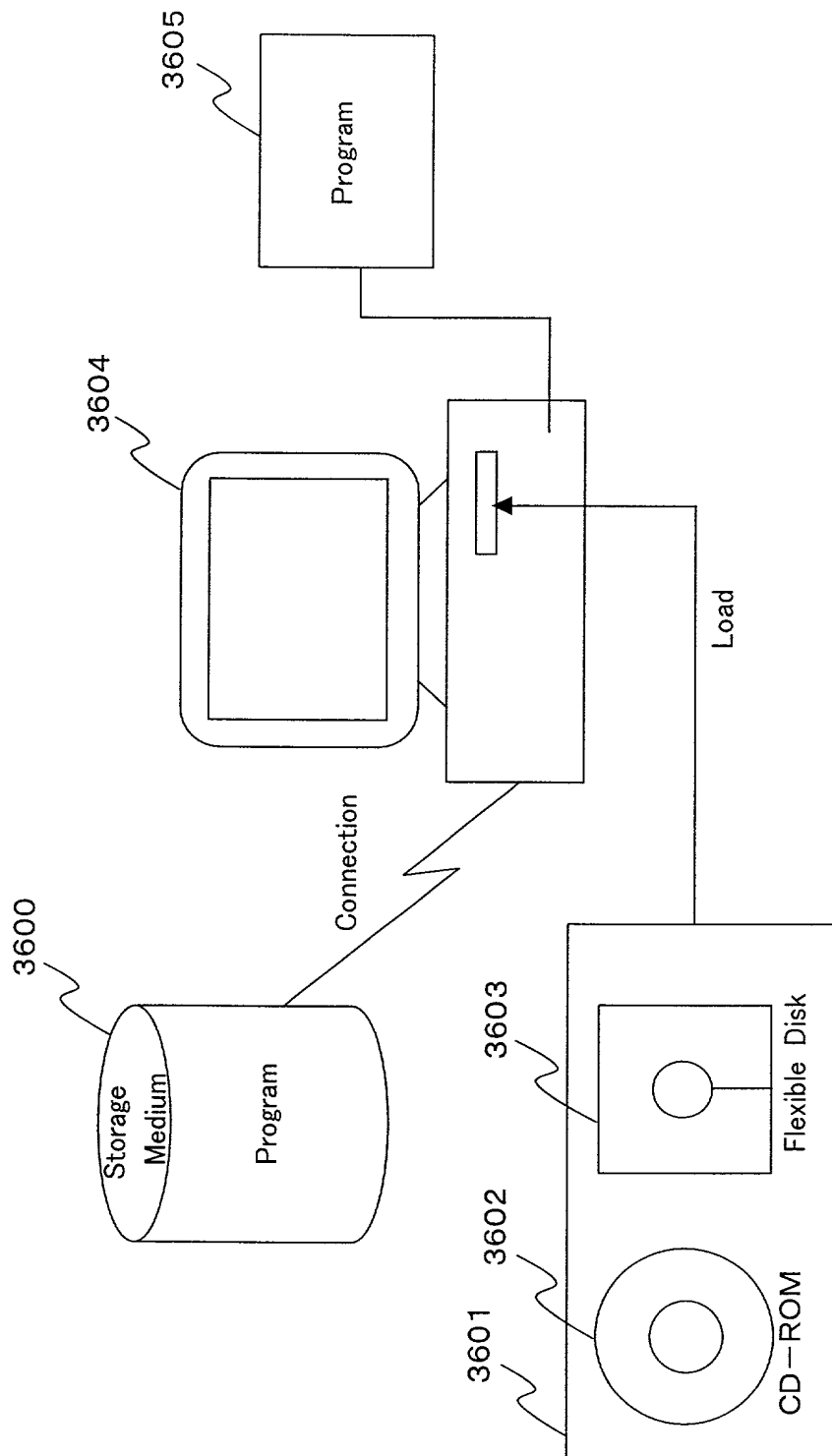


FIG . 36

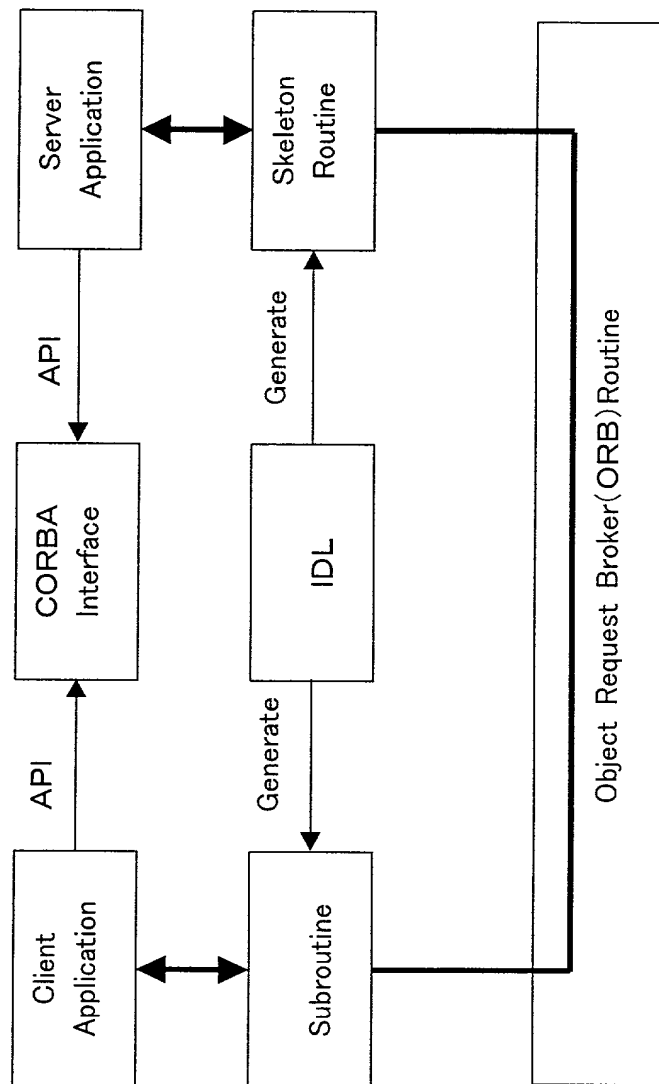


FIG . 37